

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/529,508  
Source: IFWP  
Date Processed by STIC: 08/04/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/529,508

DATE: 08/04/2006

TIME: 12:25:38

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08042006\J529508.raw

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4 <110> APPLICANT: Debyser, Zeger
5      Cherepanov, Petr
6      De Clercq, Erik
8 <120> TITLE OF INVENTION: Integrase Cofactor
11 <130> FILE REFERENCE: 50304/072001
13 <140> CURRENT APPLICATION NUMBER: 10/529,508
14 <141> CURRENT FILING DATE: 2005-03-28
16 <150> PRIOR APPLICATION NUMBER: PCT/BE2003/000164
17 <151> PRIOR FILING DATE: 2003-09-26
19 <150> PRIOR APPLICATION NUMBER: GB 0224539.7
20 <151> PRIOR FILING DATE: 2002-10-22
22 <150> PRIOR APPLICATION NUMBER: GB 0222361
23 <151> PRIOR FILING DATE: 2002-09-26
25 <160> NUMBER OF SEQ ID NOS: 19
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 28
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: PCR Primer
37 <400> SEQUENCE: 1
38 ggctagatat cactagcaac tcaaacag                28
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 37
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: PCR Primer
48 <400> SEQUENCE: 2
49 gtcgtccttg taatgccgt cctcatcttg acgagag        37
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 39
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: PCR Primer
59 <400> SEQUENCE: 3
60 ggcgctcgag ttacttgtca tcgtcgctct tgtaatcgc    39
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 8
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence

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67 <220> FEATURE:
68 <223> OTHER INFORMATION: FLAG epitope
70 <400> SEQUENCE: 4
71 dykddddd      8
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 35
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: PCR Primer
81 <400> SEQUENCE: 5
82 ggccggatcc gactcgcat ttcaaacctg gagac      35
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 34
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: PCR Primer
92 <400> SEQUENCE: 6
93 ccgcgaattc tagttatcta gtgtagaatc cttc      34
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 21
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: siRNA
103 <400> SEQUENCE: 7
104 cagcccuguc cuucagagat t      21
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 20
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: siRNA
114 <400> SEQUENCE: 8
115 ucucugaaga cagggcugtt      20
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: siRNA
125 <400> SEQUENCE: 9
126 agacagcaug aggaagcga t      21
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 21
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:

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134 <223> OTHER INFORMATION: siRNA
136 <400> SEQUENCE: 10
137 ucgcuccuc augcugucut t 21
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 21
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: siRNA
147 <400> SEQUENCE: 11
148 cagaugcauu gaggccuugt t 21
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 21
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: siRNA
158 <400> SEQUENCE: 12
159 caaggccuca augcaucugt t 21
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 21
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: siRNA
169 <400> SEQUENCE: 13
170 gcgcgcuuug uaggauucgt t 21
172 <210> SEQ ID NO: 14
173 <211> LENGTH: 21
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: siRNA
180 <400> SEQUENCE: 14
181 cgaauccuac aaagcgcgt t 21
183 <210> SEQ ID NO: 15
184 <211> LENGTH: 19
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: PCR Primer
191 <400> SEQUENCE: 15
192 tgactcgcga tttcaaacc 19
194 <210> SEQ ID NO: 16
195 <211> LENGTH: 34
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: PCR Primer

```

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202 <400> SEQUENCE: 16
203 ccgcgaattc tagttatcta gtgtagaatc cttc 34
205 <210> SEQ ID NO: 17
206 <211> LENGTH: 27
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: PCR Primer
213 <400> SEQUENCE: 17
214 gcgcgtcgac atcctcatcc tgtctac 27
216 <210> SEQ ID NO: 18
217 <211> LENGTH: 19
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: PCR Primer
224 <400> SEQUENCE: 18
225 aatacgactc actataggg 19
227 <210> SEQ ID NO: 19
228 <211> LENGTH: 18
229 <212> TYPE: PRT
230 <213> ORGANISM: Homo sapiens
232 <400> SEQUENCE: 19
233 Asn Met Phe Leu Val Gly Ala Gly Asp Ser Val Ile Thr Gln Val Leu
234 1 5 10 15
235 Asn Lys

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/529,508

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Input Set : A:\SEQLIST.TXT

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